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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

1

of

5

**Complete if Known**

Application Number

**Filing Date**

**First Named Inventor**

### Group Art Unit

**Examiner Name**

**Thomas J. Pinnavaia**

Attorney Docket Number

MSU 4.1-568

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

*David R. Lingle*

Date \_\_\_\_\_

**Considered**

10/1/23

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
Sheet	2	of	5	Application Number	
				Filing Date	
				First Named Inventor	Thomas J. Pinnavaia
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	MSU 4.1-568

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
[Signature]	A1	Ryoo, R., et al., Chem. Commun. 2225 (1997)	
	A2	Luan, Z.H., et al., J. Phys. Chem. 99 10590 (1995)	
	A3	Corma, A., et al., J. Catal. 148 569 (1994)	
	A4	Beck, J.S., et al., J. AM. Chem. Soc. 114 10834 (1992)	
	A5	Chen, C-Y., et al., Microporous Mater. 2 17 (1993)	
	A6	Borade, R.B., et al., Catal. Lett 31 267 (1994)	
	A7	Janicke, M.T., et al., Chem. Mater. 11 1342 (1999)	
	A8	Hamdan, H., et al., J. Chem. Soc. Faraday Trans 92 2311 (1996)	
	A9	Mokaya, R., et al., Chem. Commun. 2185 (1997)	
↓	A10	Ryoo, R., et al., Chem. Mater. 9 1607 (1998)	
[Signature]	A11	Corma, A., Chem. Rev. 2373 (1997)	

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		First Named Inventor	Thomas J. Pinnavaia
		Group Art Unit	
		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	MSU 4.1-568	

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<i>JP</i>	A 12	Kim et al., Science, 282 1302 (1998)	
	A 13	Bagshaw et al., Chem. Commun. 533-534 (2000)	
	A 14	Lechert et al. Stud. Surf. Sci. Catal., 84 147 (1994)	
	A 15	Robson, ACS Sym. Ser. 398, 436 (1989)	
	A 16	Lok, et al., Zeolites 3, 282 (1983)	
	A 17	Watson, J.N., et al., J. chem. Soc., Faraday Trans. (94) 2181 (1998)	
	A 18	deMoor, P.P.E.A. ET AL., Chem. Mater. (11) 36 (1999)	
	A 19	deMoor, P.P.E.A. et al., J. Phys. Chem. B (103) 1639 (1999)	
	A 20	Zones, S.E., et al., Microporous Mesoporous Mater. 21, 199 (1998)	
	A 21	Boyett, R.E., et al., Zeolites (17) 508 (1996)	
<i>JP</i>	A 22	J. Am. Chem. Soc. 122, 10712 (2000)	

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		First Named Inventor	Thomas J. Pinnavaia
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Sheet 4 of 5	Attorney Docket Number	MSU 4.1-568	

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<i>OK</i>	A 23	Chem. Comm. 559 (2001)	
	A 24	J. Am. Chem. Soc., 123 5146 (2001)	
	A 25	Chem. Comm. 2177 (1999)	
	A 26	Nature 412 169 (2001)	
	A 27	Lippmaa et al., J. Amer. Chem. Soc. 108 1730 (1986)	
	A 28	Lawton, S.L., et al., J. Phys. Chem. 100 3788 (1996)	
	A 29	Nature 396 353 (1998)	
	A 30	Jansen, J.C., et al., Chem. Comm. 8 713 (2001)	
	A 31	deMoor et al., J. Phys. Chem. B 103 1639 (1999) (duplicate - See A19)	
	A 32	White et al., J. Chem. Soc., Faraday Trans. 94, 2181 (1998)	
<i>OK</i>	A 33	van Santen et al., J. Phys. Chem. 103, 1639 (1999) (same as A19)	

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<i>DP</i>	X 34	Ryoo, J. Phys. Chem. 99 16742 (1995)	
	A 35	Mokaya, R., Angew. Chem. Int. Ed. 38 No. 19 2930 (1999)	
	A 36	Kloetstra et al, Chem. Commun., 2281 (1997)	
	A 37	Perez-Pariente, J., et al., Applied Catalysis 31, 35 (1998)	
	A 38	Camblor, et al., Stud. Surf. Sci. Catal. 105 341 (1997)	
✓	A 39	Stucky, et al., J. Am. Chem. Soc. 121:254 (1999)	
<i>DP</i>	X 40	Liu, Y., et al., J. Am. Chem. Soc. 122 8791 (2000)	

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